Coronatine-Insensitive 1 (COI1) Mediates Transcriptional Responses of Arabidopsis thaliana to External Potassium Supply

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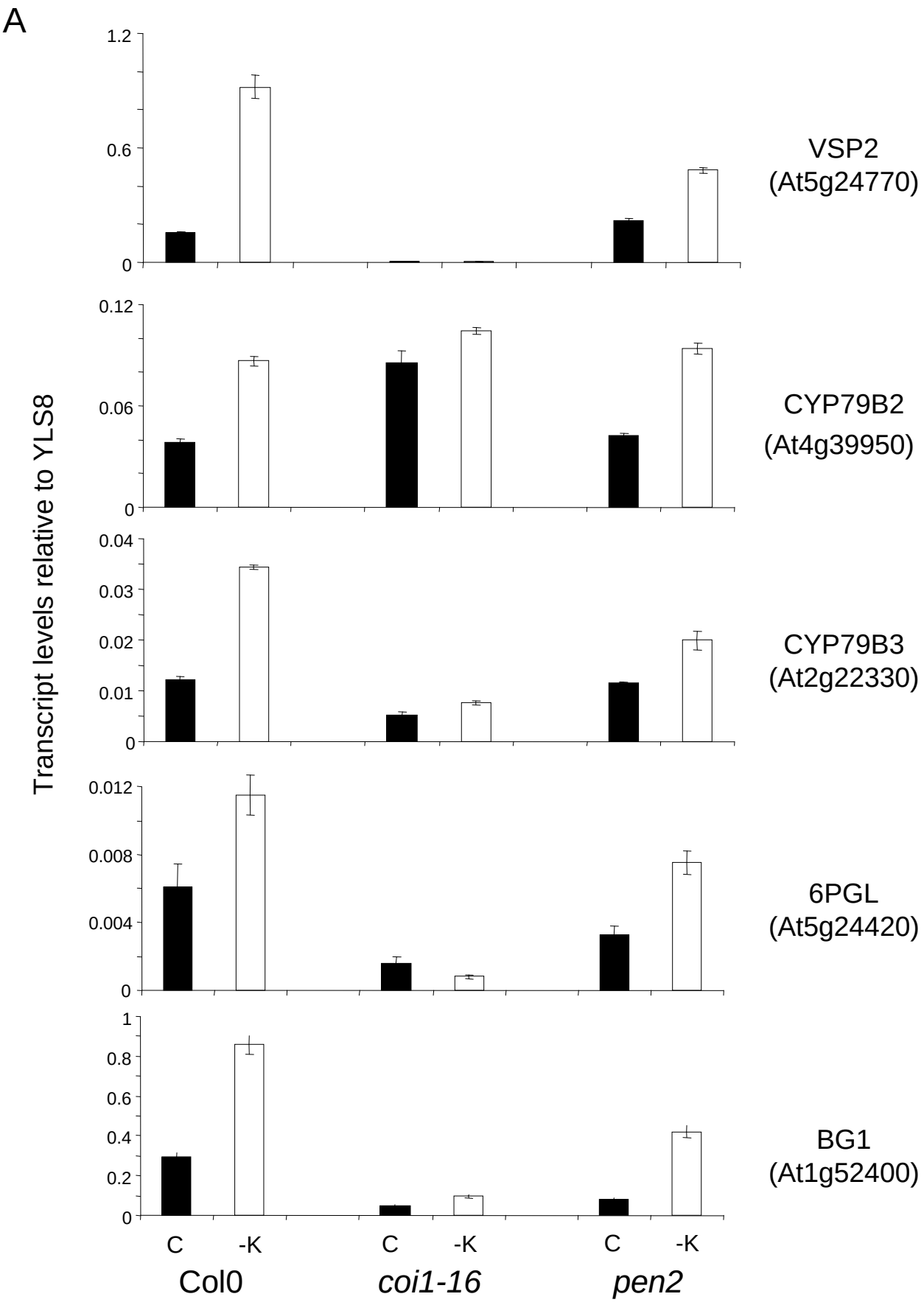
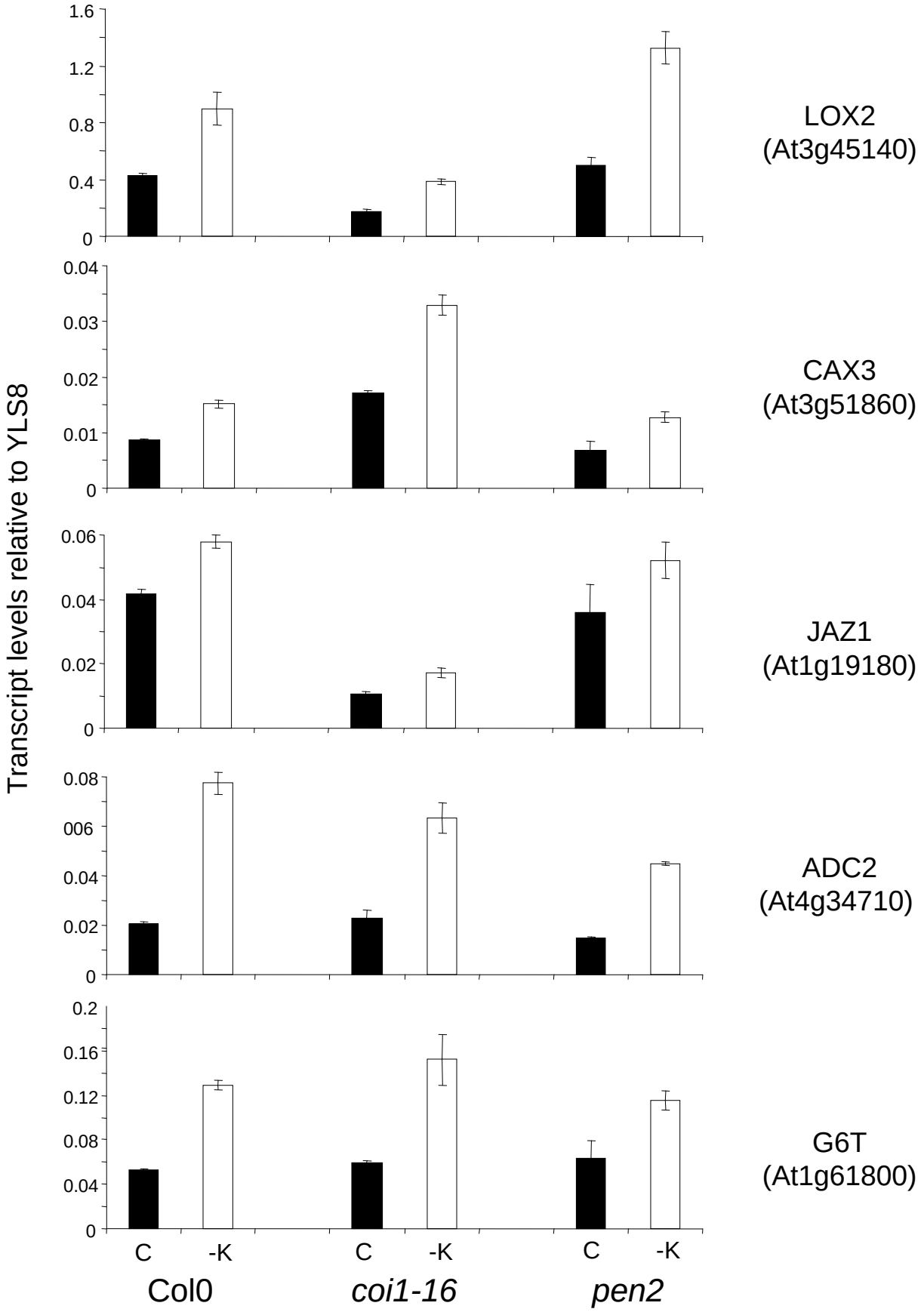
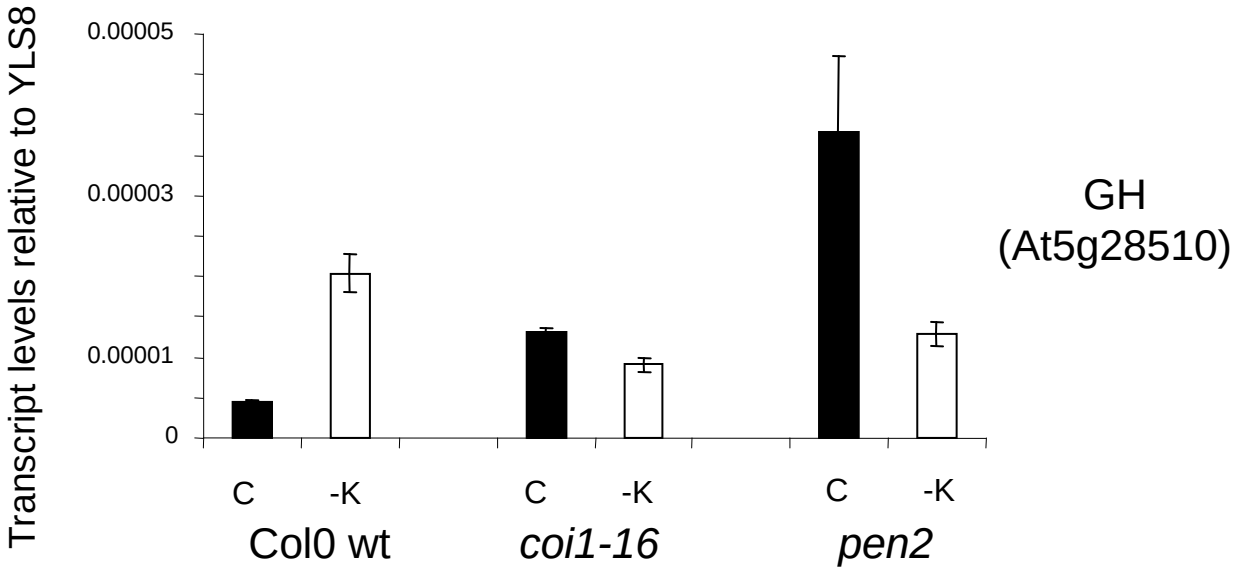

A
Transcript levels relative to YLS8
1.2
0.6
0
VSP2
(At5g24770)
0.12
0.06
0
CYP79B2
(At4g39950)
0.04
0.03
0.02
0.01
0
CYP79B3
(At2g22330)
0.012
0.008
0.004
0
6PGL
(At5g24420)
1
0.8
0.6
0.4
0.2
0
BG1
(At1g52400)
C
-K
C
-K
C
-K
Col0
coi1-16
pen2

B


Transcript levels relative to YLS8
1.6
1.2
0.8
0.4
0
LOX2
(At3g45140)
0.04
0.03
0.02
0.01
0
CAX3
(At3g51860)
0.06
0.04
0.02
0
JAZ1
(At1g19180)
0.08
006
0.04
0.02
0
ADC2
(At4g34710)
0.2
0.16
0.12
0.08
0.04
0
G6T
(At1g61800)
C
-K
C
-K
C
-K
Col0
coi1-16
pen2

C



Supplemental figure SI5: Relative levels (compared to constitutive gene YLS8) of K-responsive transcripts in Col0 wildtype, *coi1-16* and *pen2*.
A: COI1-dependent response to -K.
B: COI1-independent response to -K.
C: *PEN2*-dependent response to -K.
C: control, -K: long-term K-starved plants
(same growth conditions as described in main text)